

IN THE CLAIMS:

Please add Claims 78 through 119 as follows:

--78. An optical apparatus according to Claim 27,
wherein said medium is acrylic resin or glass.

79. An optical apparatus according to Claim 28,
wherein said medium is acrylic resin or glass.

80. An optical apparatus according to Claim 29,
wherein said medium is acrylic resin or glass.

81. An optical apparatus according to Claim 30,
wherein said medium is acrylic resin or glass.

82. An optical apparatus according to Claim 31,
wherein said medium is acrylic resin or glass.

83. An optical apparatus according to Claim 32,
wherein said medium is acrylic resin or glass.

84. An optical apparatus according to Claim 33,
wherein said medium is acrylic resin or glass.

85. An optical apparatus according to Claim 34,
wherein said medium is acrylic resin or glass.

86. An optical apparatus according to Claim 35,
wherein said medium is acrylic resin or glass.

87. An optical apparatus according to Claim 36,
wherein said medium is acrylic resin or glass.

88. An optical apparatus according to Claim 37,
wherein said medium is acrylic resin or glass.

89. An optical apparatus according to Claim 38,
wherein said medium is acrylic resin or glass.

90. An optical apparatus according to Claim 39,
wherein said medium is acrylic resin or glass.

91. An optical apparatus according to Claim 40,
wherein said medium is acrylic resin or glass.

92. An optical apparatus according to Claim 41,
wherein said medium is acrylic resin or glass.

93. An optical apparatus according to Claim 42,
wherein said medium is acrylic resin or glass.

94. An optical apparatus according to Claim 43,
wherein said medium is acrylic resin or glass.

95. An optical apparatus according to Claim 44,
wherein said medium is acrylic resin or glass.

96. An optical apparatus according to Claim 45,
wherein said medium is acrylic resin or glass.

97. An optical apparatus according to Claim 46,
wherein said medium is acrylic resin or glass.

98. An optical apparatus according to Claim 47,
wherein said medium is acrylic resin or glass.

99. An optical apparatus according to Claim 48,
wherein said medium is acrylic resin or glass.

100. An optical apparatus according to Claim 49,
wherein said medium is acrylic resin or glass.

101. An optical apparatus according to Claim 50,
wherein said medium is acrylic resin or glass.

102. An optical apparatus according to Claim 51,
wherein said medium is acrylic resin or glass.

103. An optical apparatus according to Claim 52,
wherein said medium is acrylic resin or glass.

104. An optical apparatus according to Claim 53,
wherein said medium is acrylic resin or glass.

105. An optical apparatus according to Claim 54,
wherein said medium is acrylic resin or glass.

106. An optical apparatus according to Claim 55,
wherein said medium is acrylic resin or glass.

107. An optical apparatus according to Claim 56,
wherein said medium is acrylic resin or glass.

108. An optical apparatus according to Claim 57,
wherein said medium is acrylic resin or glass.

109. An optical apparatus according to Claim 58,
wherein said medium is acrylic resin or glass.

110. An optical apparatus according to Claim 59,
wherein said medium is acrylic resin or glass.

111. An optical apparatus according to Claim 60,
wherein said medium is acrylic resin or glass.

112. An optical apparatus according to Claim 61,
wherein said medium is acrylic resin or glass.